

Notice of Allowability

Application No.

10/648,675

Applicant(s)

GEORGE, JOHN BARRETT

Examiner

Vincent E. Kovalick

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Applicant's Amendment dated 3/8/07.
2. ☒ The allowed claim(s) is/are 1, 3-4 and 6-13 (re-numbered 1-11).
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date 1/25/05
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____.
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

DETAILED ACTION

Response to Amendment and Petition for Revival

1. This Office Action is in response to Applicant's Amendment After Non-Final Rejection dated March 8, 2007 in response to USPTO Office Action dated March 27, 2006, and further; in response to Applicant's Petition for Revival of this Application, said petition for revival having been GRANTED as noted in PTO memo of September 14, 2007.

The cancellation of claims 2, 5 and 14 and the amendments to claims 1, 4, 11 and 13 are sufficient to place the application in a condition for allowance as set forth hereinbelow.

Allowable Subject Matter

2. Claims 1, 3-4 and 6-13 are allowed.

3. Relative to claim 1, the major difference between the **teachings** of the prior art of record (Samman et al. (Pub. No. US 2003/0156229) taken with Kipphan et al. (USP 5,050,994) and that of the instant invention is that said prior art **does not teach** a method for setting opto-sensor detection sensitivity in a projection video display comprising the steps of: a) sequentially generating video signals of different colors for illuminating a sensor with video images of said video signals; b) automatically selecting respective detection thresholds responsive to said plurality of video signals, wherein said selecting step comprises activating for each said video signal a specific threshold value for detecting sensor signals; c) sequentially detecting sensor signals in excess of said respective detection thresholds; and, d) coupling said detected sensor signals for automated adjustment of said projection video display.

Regarding claim 4, the major difference between the teachings of the said prior art of record and that of the instant invention is that said prior art **does not teach** a method for setting opto-sensor detection sensitivity in a projection video display comprising the steps of: a) sequentially generating a plurality of video signals comprising a first color video signal, a second color video signal, and a third color video signal for illuminating a sensor with video images of said plurality of video signals; b) automatically selecting respective detection thresholds responsive to said plurality of video signals, wherein said

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selecting step comprises activating for each said video signal a specific threshold value for detecting sensor signals; c) sequentially detecting sensor signals in excess of said respective detection thresholds; and d) coupling said detected sensor signals for automated adjustment of said projection video display; wherein said activating step comprises selecting a detection threshold value said third color video signal during an absence of said first color video signals and said second color video signal.

Relative to claim 6, the major difference between the teachings of the said prior art of record and that of the instant invention is that said prior art **does not teach** a video amplifier for a display device, comprising: first and second transistors configured as a cascode amplifier coupled to said display device and responsive to a video signal; a time constant network coupled to said first and second transistors for developing a control voltage responsive to said video signal; and a third transistor responsive to said control voltage and being switched between conduction and non-conduction responsive to a presence and absence of said video signal.

Regarding claim 11, the major difference between the teachings of the said prior art of record and that of the instant invention is that said prior art **does not teach** a projection display device with automated adjustment using at least one photo sensor, comprising: a source of video signal generating an image for illuminating said photo-sensor and forming a photo sensor signal; a detector coupled to said photo sensor and generating an output signal responsive to said photo sensor signal shaving a certain signal value; and, a threshold generator responsive to said video signal for setting a detection threshold for said detector, wherein, said detector generates an output signal for said automated adjustment when said photo sensor signal value exceeds said detection threshold generated responsive to said video signal, and absent said video signal said threshold generator assumes a second detection threshold in accordance with a second video signal; and wherein video signal forming said image for illuminating said photo sensor represents a marker block positioned within a raster to illuminate said photo sensor when said image is protected.

Relative to claim 13, the major difference between the teachings of the said prior art of record and that of the instant invention is that said prior art **does not teach** projection display device with an automated adjustment using at least one photo sensor, comprising: a source of video signal generating an image for illuminating said photo sensor and forming a photo sensor signal; a detector coupled to said sensor and generating an output signal responsive to said photo sensor signal shaving a certain signal

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value; and, a threshold generator responsive to said video signal for setting a detection threshold for said detector, wherein, said detector generates an output signal for said automated adjustment when said sensor signal value exceeds said detection threshold generated responsive to said video signal, and absent said video signal said threshold generator assumes a second detection threshold in accordance with a second video signal; and wherein said threshold signal value enables detection of said photo sensor signal when illuminated by a colored image formed by said video signal.

Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

U. S. Patent No.	6,392,612	George
U. S. Patent No.	5,936,395	Kevorkian et al.
U. S. Patent No.	5,892,357	Woods et al.
U. S. Patent No.	5,040,877	Bline et al.

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To Respond

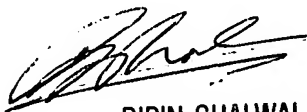
5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Vincent E. Kovalick whose telephone number is 571-272-7669. The examiner can normally be reached on Monday-Thursday 7:30- 4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bipin Shalwala can be reached on 571-272-7681. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Vincent E. Kovalick
September 20, 2007



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SUPERVISORY PATENT EXAMINER
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